

IN THE CLAIMS

Please amend the claims as follows. The listing of claims will replace all prior listings.

1. (Currently Amended) A vehicle tubing comprising:
an inner layer of aromatic polyamide forming a tubing conduit, wherein the inner layer of aromatic polyamide is electrically conductive; and
an outer layer of aromatic polyamide adjacent the inner layer of aromatic polyamide,
where the aromatic polyamide of the inner layer and the outer layer include amide groups and aromatic rings, and at least 50% of the amide groups are attached to aromatic rings.
- 2.-3. (Cancelled)
4. (Previously Presented) The vehicle tubing as recited in Claim 1, wherein each of the outer layer of aromatic polyamide and the inner layer of aromatic polyamide includes a layer thickness that together define a total thickness, and the thickness of the outer layer of aromatic polyamide comprises between approximately 50% and 95% of the total thickness.
5. (Previously Presented) The vehicle tubing as recited in Claim 1, including an intermediate thermoplastic layer located between the inner layer of aromatic polyamide and the outer layer of aromatic polyamide.
6. (Previously Presented) The vehicle tubing as recited in Claim 1, wherein the inner layer of aromatic polyamide includes an outer surface and the outer layer of aromatic polyamide includes an inner surface, and the outer surface of the inner layer of aromatic polyamide contacts the inner surface of the outer layer of aromatic polyamide.
- 7.- 9. (Cancelled)

10. (Currently Amended) The vehicle tubing as recited in Claim [[8]]1, wherein the aromatic polyamide of the inner layer of aromatic polyamide and the outer layer of aromatic polyamide include at least one of an impact-modifying agent, ~~a heat-stabilizing agent,~~ a heat-stabilizing agent, and a color pigment.

11. (Previously Presented) The vehicle tubing as recited in Claim 1, wherein only the inner layer of aromatic polyamide of the tubing includes an electrically conductive material.

12. (Previously Presented) The vehicle tubing as recited in Claim 33, wherein the electrically conductive material includes at least one of carbon powder, carbon fiber, carbon nanotubes, metal fiber, metal powder, and mixtures thereof.

13. (Currently Amended) The vehicle tubing as recited in Claim 1, wherein the outer layer of aromatic polyamide includes a corrugated outer surface and the inner layer of aromatic polyamide is non-corrugated.

14. (Withdrawn) A vehicle tubing comprising:
a tubing including a layer of aromatic polyamide defining a conduit, the layer of aromatic polyamide including a corrugated outer surface section.

15. (Withdrawn) The vehicle tubing as recited in Claim 34, wherein the inner layer of aromatic polyamide includes a corrugated inner surface section and a corrugated outer surface section that corresponds to the corrugated outer surface section of the outer layer of aromatic polyamide.

16. (Withdrawn) The vehicle tubing as recited in Claim 34, wherein the inner layer of aromatic polyamide includes a non-corrugated inner surface section and a corrugated outer surface section that corresponds to the corrugated outer surface section of the outer layer of aromatic polyamide.

17. (Withdrawn) The vehicle tubing as recited in Claim 34, wherein the tubing includes a length, the inner layer of aromatic polyamide has a first wall thickness and the outer layer of aromatic polyamide has a second wall thickness, and one of the first wall thickness and the second wall thickness is essentially constant over the length of the tubing and the other of the first wall thickness and the second wall thickness changes over the length of the tubing.

18. (Withdrawn) The vehicle tubing as recited in Claim 34, wherein the outer layer of aromatic polyamide includes a non-corrugated outer surface section adjacent to the corrugated outer surface section along a length of the tubing.

19. (Withdrawn) The vehicle tubing as recited in Claim 18, further including alternating non-corrugated outer surface sections and corrugated outer surface sections along the length of the tubing.

20. (Cancelled)

21. (Withdrawn) A method of resisting permeation of a fluid through a tubing wall comprising the steps of:

extruding an inner layer of aromatic polyamide to form a tubing conduit;

extruding an outer layer of aromatic polyamide coaxially with the inner layer of aromatic polyamide; and

bonding the outer layer of aromatic polyamide to the inner layer of aromatic polyamide.

22. (Cancelled)

23. (Withdrawn) The method as recited in Claim 21, including the step of bonding the outer layer of aromatic polyamide to the inner layer of aromatic polyamide with an intermediate thermoplastic layer located there between.

24. (Withdrawn) The method as recited in Claim 21, including the step of forming a corrugated outer surface section on the outer layer of aromatic polyamide.

25. (Withdrawn) The method as recited in Claim 21, including the step of adding at least one of carbon powder, carbon fiber, carbon nanotubes, metal fiber, metal powder, heat-stabilizing agent, impact-modifying agent, and mixtures thereof to the aromatic polyamide used to extrude the inner layer of aromatic polyamide.

26.-30. (Cancelled)

31. (Currently Amended) The vehicle tubing as recited in ~~claim 3~~claim 5, wherein the intermediate thermoplastic layer includes polyvinylidene fluoride, ethylene chlorotrifluoroethylene, ethylene tetrafluoroethylene, polyamide, modified polyamide, polyolefin, ethylene vinyl alcohol, polyester, polybutylene naphthalate, or combinations thereof.

32. (Previously Presented) The vehicle tubing as recited in Claim 10, wherein the aromatic polyamide of inner layer of aromatic polyamide and the outer layer of aromatic polyamide includes an impact-modifying agent and a heat-stabilizing agent.

33. (Previously Presented) The vehicle tubing as recited in Claim 11, wherein the inner layer of aromatic polyamide has an electric surface resistivity between approximately 10^2 and 10^7 ohms/square.

34. (Withdrawn) The vehicle tubing as recited in claim 14, wherein the layer of aromatic polyamide comprises an inner layer of aromatic polyamide, and the tubing further comprises an outer layer of aromatic polyamide adjacent the inner layer of aromatic polyamide.

35. (New) The vehicle tubing as recited in claim 5, wherein the intermediate thermoplastic layer includes ethylene chlorotrifluoroethylene.

36. (New) The vehicle tubing as recited in claim 5, wherein the intermediate thermoplastic layer includes polyamide.
37. (New) The vehicle tubing as recited in claim 5, wherein the intermediate thermoplastic layer includes polybutylene naphthalate.
38. (New) The vehicle tubing as recited in claim 13, wherein the outer layer of aromatic polyamide includes alternating corrugated and non-corrugated sections.